

REMARKS

Claims 25-36 are now pending, with Claim 25 being the sole independent claim.

Claims 1-24 have been cancelled without prejudice to or disclaimer of the subject matter recited therein.

Claims 25-36 have been added. Support for the percent sequence identity values and the pairwise alignment default parameters of Claims 25-28 is found in the specification at least in the paragraph beginning on page 7, line 25, and continuing through page 8, line 7. Support for part (b) of Claim 25 is found in the specification at least in original claim 1, and the term "full-length" is present in Claim 25 (b) for clarity. Support for Claims 29 and 30 is found in the specification at least in original claim 2. Support for Claim 31 is found in the specification at least in the paragraph at page 14, lines 5-15. Support for Claim 32 is found in the specification at least in original claim 5 and in the paragraph at page 12, lines 6-9. Support for Claim 33 is found in the specification at least in the paragraph beginning at page 13, line 36, and continuing through page 14, line 4, and in the paragraph at page 14, lines 26-34. Support for Claim 34 is found in the specification at least in Example 6, pages 24-25. Support for Claims 35-36 is found in the specification at least in Examples 4-5, pages 20-24.

No new matter has been added.

RESPONSE TO RESTRICTION REQUIREMENT

Applicants hereby elect, without traverse, Group I, Claims(s) 1-9, 11-13, 16, 18-19 and 23-24, drawn to a polynucleotide and first method of using the polynucleotide, and Invention A, SEQ ID NO:1 or a sequence encoding SEQ ID NO:2.

Applicants believe new claims 25-36 to be directed to Group I, Invention A.

The 451 amino acid sequence of SEQ ID NO:2 is a direct translation of nucleotides 3-1355 of SEQ ID NO:1. The first methionine of SEQ ID NO:2 is at amino acid number 7. The nucleotide sequence of SEQ ID NO:1 that encodes SEQ ID NO:2 is immediately followed by an in-frame stop codon at nucleotides 1356-1358.

Please charge any fees or credit any overpayment of fees which are required in connection herewith to Deposit Account No. 04-1928 (E. I. du Pont de Nemours and Company).

Allowance of the above-referenced application is respectfully requested.

Respectfully submitted,



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Dated: May 17, 2004